Rehabilitation

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Passive Continous Motion *devices*

08389
FISIOTEK HP

CPM device allows to work on the three main joints of the upper limb: shoulder, elbow and wrist. It's stable and precise and it can be used both with the patient sitting or lying down. The device is provided with a memory card. The operational data for each patient is automatically stored on it. This makes instrument preparation easier and faster for following rehabilitation sessions. It's also available a function defined as "Warm-up", which has the purpose of warming up the treated joint through several movement cycles having a work angle less than the one reached during the previous session.
Weight: 77 Kg

08391
WRIST-ELBOW KIT

Set of accessories for wrist and elbow Rehabilitation.
Can be used with model Fisiotek HP code 08389.

Technical Features:
Programmable functions:
Speed in both directions: min. 1°/sec. max 3,5°/sec.
Work time
Automatic increase of the breadth of movement on both lilmits
Pause in both limits of movement
Warm-up cycles
Technical specifications:
Power supply: 85÷260V - 50÷60 Hz
Electric Safety: Class 1 B Standard EN 60601-1
Electromagnetic compatibility: Group I Class B Standard EN 60601-1-2
Classification according to EEC Directive 93/42: Class IIa

CE 123

THERAPEUTIC INDICATIONS

Surgical Pathologies
- Arthroscopy for calcific tendinitis
- Acromyoplasty
- Long head of biceps enotomy + acromyoplasty
- Acromyoplasty + tenotomy of the supraspinal
- Arthroscpy for supraspinal injury + acromyoplasty
- Surface operation for long head of biceps tenodesis and supraspinal repair
- Surface operation for long head of biceps + supraspinal reconstruction
- Synovectomy, bursectomy, arthroscopic acromyoplasty

Non-surgical Pathologies
- Brachial nerve injury
- Rotator cuff injury
- Humerus fracture
- Arthrosis
- Rotator cuff tendopathies
- Contusive traumas of the rotator cuff
- Fracture of the trochities
- Capsuloligamental hyperlaxity
- Calcific tendopathies
- Adhesive capsulities
- Impingement from subacromial conflict

08389	Movement	Available Range	Patient Position
Shoulder	Elevation	5° ÷ 180°	seated - supine - prone
	Adduction - abduction	35° ÷ 150°	seated
	Internal - External Rotation	90°÷ 0 ÷ 90°	supine
08391	Movement	Available Range	Patient Position
Elbow	Flexo-extension	0 ÷ 150°	seated - supine
	Prono - supination	90° ÷ 0 ÷ 90°	seated - supine
Wrist	Flexo - extension	80° ÷ 0 ÷ 80°	seated - supine
	Radial and ulnar deviation	20° ÷ 0 ÷ 30°	seated - supine

Elevation of the shoulder with the patient in supine position

Elevation of the shoulder with the patient sitting down

01390 FISIOTEK LT

CPM device for left and right shoulder treatment, indicated whenever joint movement needs to be restored passively in both surgical or non-surgical pathologies. It allows rotation with patient sitting down or lying down and the possible movements carried out on the shoulder are: 1) Elevation in flexion; 2) Elevation in abduction; 3) Internal-external rotation. The device is easy to move and handle, suitable for home use. It consists of a base fitted on four swivel casters with brake and is height adjustable.
Weight: 20Kg

SUPPLIED WITH:
Arm support for performing the internal/external rotation movement

Technical Features
Movements carried out:
• Elevation in flexion range: 0°÷ 180°
• Elevation in abduction: complete physiological range
• Internal-external rotation range: 90°÷ 0°÷90°
Programmable functions:
• Speed
• Range of movement: adjustment by electromechanical limit switch
Technical specifications:
• Input: 12 V AC - 50 ÷ 60 Hz – 4.8 W
• Electric safety: Class II B Standard EN 60601-1
• Electromagnetic compatibility: Group I Class B Standard EN 60601-1-2
• Classification according to EEC Directive 93/42:
Class IIa
External power supply:
• Input: 100÷ 240V AC – 50÷60 Hz 400mA
• Output: 12 DC -1.25°

CE 123

1. Elevation in flexion range: 0°÷ 180°

2. Elevation in abduction: complete physiological range

3. Internal /external rotation range: 90°÷ 0°÷90°

Passive Continous Motion *devices*

FISIOTEK 2000 *Series for the passive rehabilitation of the lower limb*

A range of models meets the operators' various needs. It ranges from the model that allows you to work on three joints – knee, ankle and hip – to the more specific model for the knee including the simple and compact instrument suitable for rental.

THERAPEUTIC INDICATIONS
- Prostheses and ligamental plastics of the knee and ankle
- Hip and knee prostheses
- Remedial surgery of the knee's extension
- Osteotomy of hip and knee
- Re-education in arthral fractures of the hip, knee and ankle
- Synovectomy
- Simple arthrolysis or with full muscular disinsertions
- Meniscectomies sutures

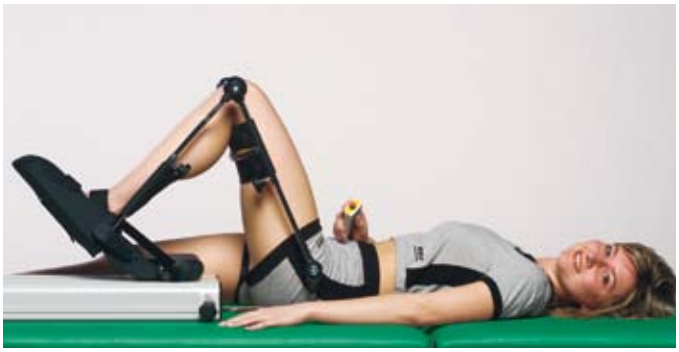
The special asymmetrical structure of the frame

(right/left) allows the patient's limb to be easily and correctly positioned. In fact, when there is a real correspondence between the mechanical articulations and the patient's joints, all of the mechanical stresses derived from the movement are discharged on to the mechanical part and not onto the joints.
This makes the movement more comfortable and helps the patient to relax.

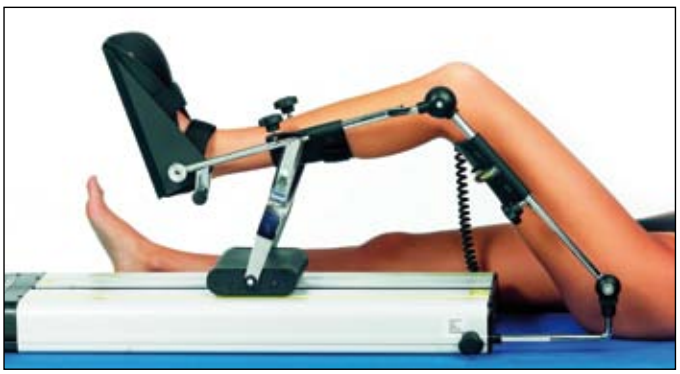
A direct-current motor, controlled by a microprocessor card, operates the Fisiotek 2000 units. All functions can be programmed by using the on-board control panel.
START and STOP keys are also available on a hand-held control, so that patients can start and stop movement if needed.
The unit can be adjusted to fit the patient according to the limb length, as measured from the greater trochanter to the malleolus.

CE 123

Flexo-extension of the hip with the patient half-seated by Fisiotek 2000 E



Flexo-extension of the hip with the patient lying down by Fisiotek 2000 E



Flexo-extension of the knee by Fisiotek 2000 G

Dorsal extension of the ankle by Fisiotek 2000 T

ITEM CODE	08390	01838	01839	01931	08395	2003
FISIOTEK MODEL	2000 N	2000 E	2000 G	2000 GS	2000 T	2000 TS
MOBILIZATION	HIP - KNEE	HIP - KNEE	HIP - KNEE	HIP - KNEE	HIP - KNEE - ANKLE	HIP - KNEE - ANKLE
USE OF MEMORY CARD				●		●
SPEED DURING FLEXO / EXTENSION CONTROL			●	●	●	●
SPEED CONTROL	●	●				
FORCE CONTROL	●	●	●	●	●	●
WORK TIME CONTROL	●	●	●	●	●	●
AUTOMATIC EXTENSION INCREASE			●	●	●	●
AUTOMATIC FLELXION INCREASE			●	●	●	●
PAUSA DURING EXTENSION			●	●	●	●
PAUSA DURING FLEXION	●	●	●	●	●	●
WARM UP CYCLES				●		●
KNEE MOVEMENT BREADTH	0° - 110° (*)	-5° - 110°	-5° - 110°	-5° - 110°	0° - 110° (*)	0° - 110° (*)
ANKLE MOVEMENT BREADTH					20° - 40°	20° - 40°
HIP MOVEMENT BREADTH (MID LIMB)	10° - 70°					
SPEED	0,8°/ SEC. - 4,6° / SEC.					
FORCE	0 - 40 KG					
POWER SUPPLY	85 - 260 V; 50 - 60 HZ					
ELECTRICAL SAFETY	CLASS 1 B STANDARD EN 60601-1					
ELECTROMAGNETIC COMPATIBILITY	GROUP 1 CLASS B STANDARD EN 60601-1-2					
CLASSIFICATION ACCORDING TO EEC DIRECTIVE 93/42	CLASS II A					
WHEIGHT	KG. 14					

Models with memory card and warm-up cycles

Two models of Fisiotek 2000 series (item codes 01931 and 2003) can be used with a memory card which acts as mobile memory. The operational data of the instrument for each individual patient is automatically stored on it. This makes instrument preparation easier and faster following the first rehabilitation session for subsequent sessions.
These models also have a function defined as "Warm-up", which has the purpose of warming up the treated joint through several movement cycles having a workangle less than the one reached during the previous session.

Flexo-extension of the hip with the patient half-seated by Fisiotek 2000 E

ACCESSORIES

01840 ARTI 72

This accessory, mounted on the Fisiotek, allows the knee joint rehabilitation on the lower limb from 61 to 72 cm long. By means of the same accessory, it is possible to rehabilitate the knee joint up to 135° of flexion the length of the limb to recover has to be between 72 and 100 cm. This accessory can be mounted only on models 2000 TS, 2000 T and 2000 N.

01841 FISIOTEK TROLLEY

This simple and handy trolley is specifically studied for use in the ward; the supporting base for the instrument is covered with non slip-material; the trolley is also equipped with a shelf for the feeder.

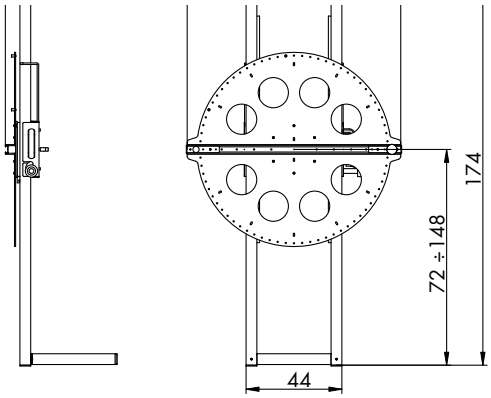
ROTA

Rehabilitation device for shoulder and elbow movement pathologies

01347 WALL-MOUNTED "ROTA"

It is a device for performing maintenance exercises for the shoulder and elbow in the event of fracture outcomes, less serious impingement syndromes and rigidity caused by arthrosis. It consists of a wall-mounted metal frame featuring a height-adjustable wheel to suit the patient's size or the exercise to perform. The device is fitted with a handle and knob that allow a wider range of exercises compared to the "Lapidari's wheel" from which it derives. Patients can work both sitting and standing, start their active exercises in free mode and then, by means of a clutch, gradually apply a greater resistance.
Using this instrument enables the therapist to avoid the most repetitive work while the cooperative patient performs the activity in total safety.
The "Rota" comes complete with a manual and videotape that show a series of exercises.
A set of accessories can be ordered (code AC0008 Set of Accessories) to increase the variety of exercises offered by this aid.

DIMENSIONS



CE

DETAILS

Resistance adjustment

Wheel height adjustment

Range of motion level indicators

ACCESSORY

AC0008
SET OF ACCESSORIES
Includes: 1 forearm support, 1 counterweight, 1 elbow rest, 1 front grip handle.

EXAMPLES OF USE FOR THE WALL-MOUNTED "ROTA"

Source: excerpt from "Rota" user manual

"Arm cycling" exercise

This exercise is still effective today for three main reasons: it stimulates the whole kinetic chain, spontaneously combines external rotation and abduction movements and, finally, it is performed with minimal learning effort by the patient. Let's think of having the wheel in front of us, with the patient standing on our left side. The patient moves the wheel clockwise with his/her left upper arm.

1) When the handle reaches the wheel top, the shoulder reaches its maximum abduction: therefore, the previous step is the "shoulder abduction" (north-west quadrant).

2) Going on with the rotating movement from the wheel top, the handle comes to its farthest point from the user; the shoulder bends forward and the elbow extends. This quarter of circle is the "elbow extension" (north-east quadrant).

3) From its maximum distance, the handle comes to the lowest point of the wheel; the elbow starts bending while the shoulder decreases its flexion; this step is the "elbow flexion" (south-east quadrant).

4) From the lowest point of the wheel, the handle reaches the closest point to the user; the elbow bends further, the shoulder extends or moves in a way similar to the extension: this step is the "shoulder extension" (south-west quadrant).

The pictures above refer to the "Rota" moving version.

"Steering wheel" exercise

It is a self-passive mobilization exercise, during flexion and abduction, easy to perform. The physiotherapist will apply the maximum allowed joint range indicator and teach the patient how to keep his/her shoulder blade in proper position, checking this during the exercise.

"The exercise is easy but strenuous: it is important to set limits, especially if the patient wants to strain himself/herself too much. To this aim, you must check in advance with the patient the maximum angle he/she can reach without pain. It is advisable to use the top quadrants with the damaged limb, which allows combining the anteflexion-elevation movement with the adduction movement, thus avoiding impingement…".

CHINESPORT Cultura Libreria & Videoteca

01447.DVD
VIDEO ROTA
This video describes a range of exercises for use with the "Rota".

Follow us on YouTube

01448
"ROTA" GUIDE
This manual explains how to use the device through a set of exercises.

In details:
- exercises for shoulder fractures involving the glenohumeral joint;
- the impingement syndrome exercises;
- proprioceptive exercises;
- exercises for diaphyseal and distal fractures of the humerus;
- exercises for fractures of the forearm;

Active rehabilitation *for upper and lower limbs*

ROTA
Rehabilitation device for shoulder and elbow movement pathologies

01348 MOVABLE "ROTA"

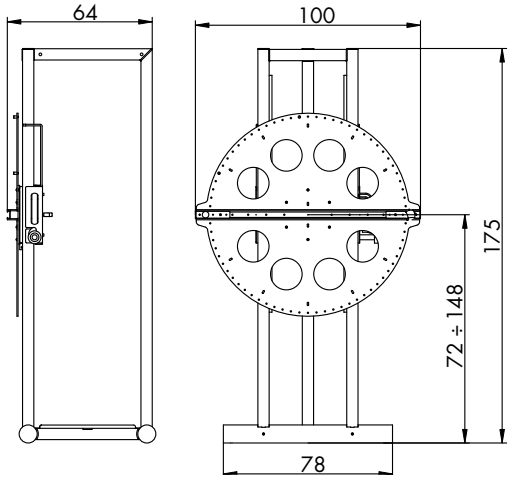
This device is for shoulder and elbow rehabilitation in cases of stiffness, impingement syndrome and pre- and post-surgery treatment. It has a metal frame and a height-adjustable wheel to suit the patient's size or the exercise to perform. It can be easily moved by an operator. It comes complete with a set of accessories, including: a handle, a knob, a forearm support, a counterweight, an elbow rest and a front grip handle. The accessories supplied allow performing a wider range of exercises compared with the wall-mounted version. Mainly used to perform active exercises, it can also be used to do passive/self-passive mobilization and proprioceptive exercises. Patients can start their active exercises in free mode and then, by means of a clutch, gradually apply a greater resistance. Using this instrument enables the therapist to avoid the most repetitive work: the physiotherapist programs the sequence and intensity of the exercises, while the patient can check the range of motion reached at each repetition and is therefore motivated to work harder. The range of motion recovery can be monitored with a quick and extremely reliable assessment by comparing the previous and subsequent results. The "Rota" comes complete with a manual and videotape that show a series of exercises.

Range of motion level indicators

MESSAGE TO ALL THOSE INTERESTED:
The wall-mounted "Rota" facilitates the most up-to-date rehabilitation methods: it allows the physiotherapist to teach how to stabilize the scapulothoracic joint during the active movement of the gleno-humeral joint, which is controlled by the device; it allows the patient to be in an upright position while working, thus activating the whole kinetic chain; it assists in performing proprioceptive exercises; it allows extrarotators to be trained during an abduction movement, which can be generated nearly without involving the deltoid muscle, thus avoiding non functional positions.

CE

DIMENSIONS



DETAILS

Resistance adjustment

Wheel height adjustment

Accessory compartment

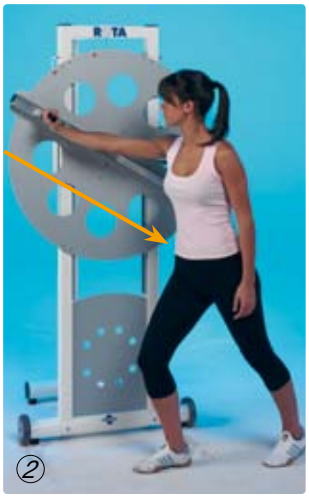
Tool movement

Active rehabilitation *for upper and lower limbs*

The "draining rack" exercise

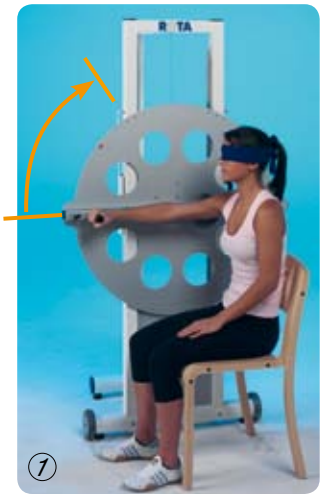
External rotation and abduction combined in several degrees. Passive exercises: they can replace the electric mobilizer in post-surgery treatment. Active exercises: external rotator strengthening can be achieved during an abduction movement with minimum stimulation of the deltoid muscle.

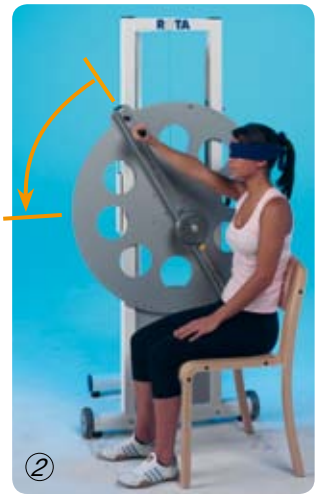
The "inclined plane lunge" exercise



Strong shoulder blade (lower trapezius) stabilization and activation of the whole kinetic chain in the gleno-humeral anteflexion. Recommended against the impingement syndrome.

Proprioceptive exercise





This kind of exercises reactivates the reflex mechanism of muscle stabilization of the gleno-humeral joint and reduces painful contraction. Passive exercises: at the first stage of mobilization, after periarthritis phlogosis and in motion recovery after surgery. Active exercises: to overcome painful contraction after phlogosis; they are a complement to strengthening exercises, improving coordination.

CHINESPORT Cultura Libreria & Videoteca

01447.DVD
VIDEO ROTA
This video describes a range of exercises for use with the "Rota".

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- proprioceptive exercises;
- exercises for diaphyseal and distal fractures of the humerus;
- exercises for fractures of the forearm;

Active rehabilitation *for upper and lower limbs*

07465 ARTI REHAB

This device is used to do exercises to strengthen muscles and rehabilitate both lower and upper limbs. Essentially, it comprises a painted steel structure, with chromed sliding parts. The seat and backrest are padded and upholstered in imitation leather than is easy to disinfect.
The oscillating load arm is characteristic and can be used on both sides. The extent of the movement and application point can be adjusted independently. A set of weights is supplied that makes it possible to gradually increase the resistance, according to a specific work programme, and up to a maximum working load of 9,5 kg.
The reclining angle on the backrest can be adjusted all the way to a horizontal position, to allow for exercises in a prone position as well. This adjustment is servo-assisted by a gas spring, and has a mechanical end stop.
The leg fixing system makes it possible to adjust the height to a comfortable position, in order to execute the exercises correctly.
Finally, an adjustable extension belt with closing clips, secures the end of the limb.
Dimensions: 71x83x125h
Weight: 35 kg
Maximum capacity: 135 kg

Upper left limb rehabilitation

CE

The extent of the movement and application point are adjustable independently.

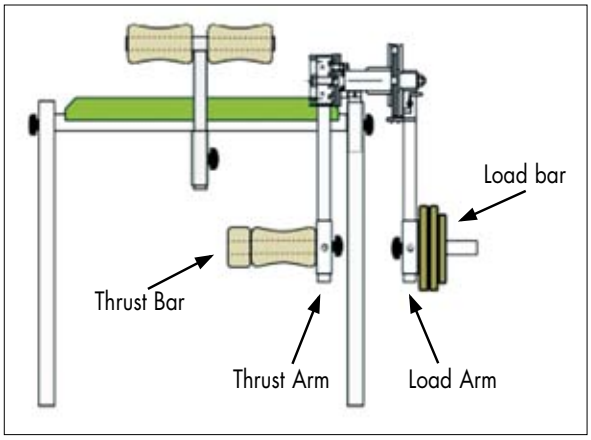
The Maximum working load is 9,5 kg.

Height adjustable load arm with reference scale.

Comfortable restrain support, height adjustable.

The backrest is adjustable, servo-assisted by gas spring

TECHNICAL SPECIFICATIONS



ACCESSORY

07466 ADDITIONAL ARM

Additional support if both limbs are used (R - L).
The leg fixing system makes it possible to adjust the height to a comfortable position.
An adjustable extension belt with closing clips, secures the end of the limb. It comes with a set of 9,5 kg.

APPLICATION EXAMPLES

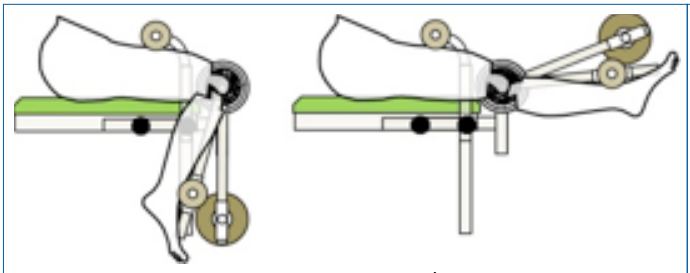
Knee rehabilitation from prone position

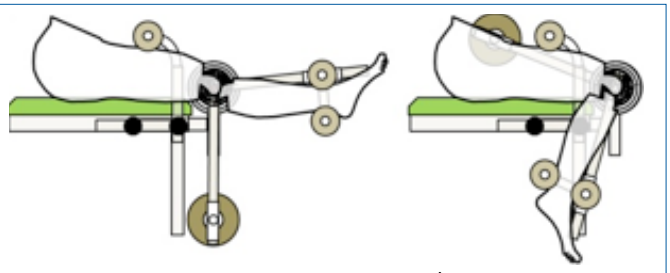
Lower limb Rehabilitation

INTENDED USE:
This equipment is particularly suitable for use in outpatient departments, medical centres, rehabilitation centres, and gyms that offer complete rehabilitation programmes, aimed at regaining muscular trophy of the lower limbs.

Type of work to be done - execution mode
Limb Rehab can be used for various types of exercises that differ in terms of the type of contraction, in order to achieve complete rehabilitation of joint and muscular functions, compromised by trauma or illness. Concentric - eccentric as well as isometric work can be done.

THE DUAL LEG EXTENSION AND LEG CURL FUNCTION

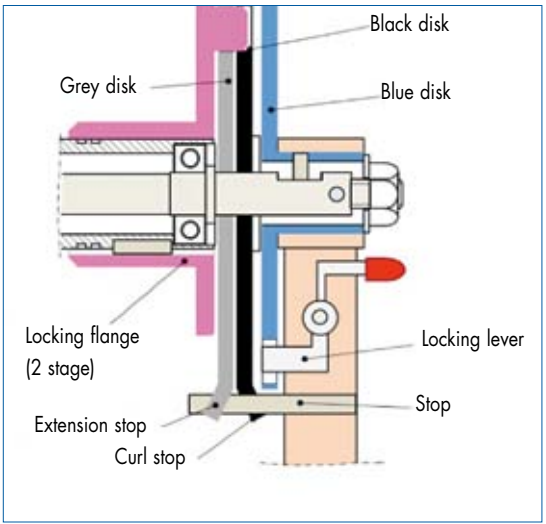




Leg extension
When sitting on the machine with the thigh resting on the seat and the leg bent and touching the thrust arm, extend the leg at the thigh against the established load (P).
Motion muscles
Femoral quadriceps: vastus medialis, vastus lateralis, vastus intermedius

Leg curl
When sitting on the machine with the thigh resting on the seat and the leg extended and touching the thrust arm, bend the leg at the thigh.
Motion muscles
Femoral biceps: Semitendinosus, Semimembranosus, Gastrocnemius

THE ROM (RANGE OF MOVEMENT) SYSTEM

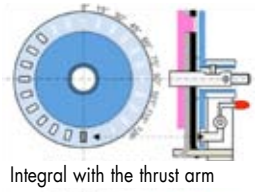


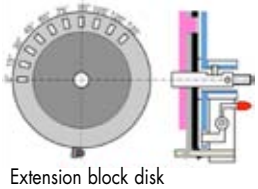
The Limb Rehab ROM system makes it possible to programme the range of movement to be used for the exercise. It can also be used for the dual function (extension and curl).

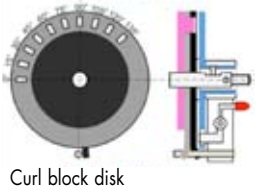
It is made up of three keyed discs: a blue disk, a grey disk and a black disk that can be released or locked at various angles.

To adjust the starting angle on the thrust arm, free the load arm from the blue disk by pushing the release lever (red button).

The black (external) disk can limit the curl by means of the curl stop, while the grey (inner) disk can limit the extension by means of the extension stop.

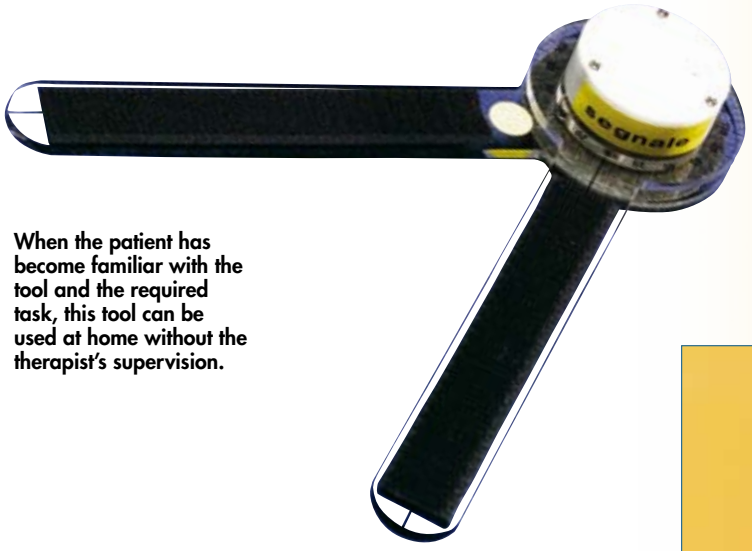

Integral with the thrust arm


Extension block disk


Curl block disk

Biofeedback

A goniometric biofeedback device is a tool that can have several interesting applications in the rehabilitation field. Though it does not replace any technique, it can integrate and facilitate the rehabilitation therapist's work, as well as help the patient in some situations and in particular clinical stages.



When the patient has become familiar with the tool and the required task, this tool can be used at home without the therapist's supervision.

06856

GONIOMETRIC BIOFEEDBACK

A goniometric *biofeedback device* is a signal transducer for joint angles during voluntary movement and *range* of motion adjustment. It can replace the *electromyographic biofeedback*, when it is impossible or hard to monitor or isolate a muscle.

The international literature has shown studies on the effectiveness of the goniometric *biofeedback* in controlling the knee hyperextension of hemiplegic patients, in postural head control training and joint recovery of the elbow (fig. 1), wrist (fig. 2), foot (fig. 3) and knee (fig. 4).

The device is lightweight (500 kg), easy-to-use, does not require a potentiometer or electronic box.

It comprises two plastic (*Plexiglas*), mutually linked, revolving arms.

One arm has a magnet, the other has a handle with a magnetic detector that can trigger a sound alarm. The angle position to be detected by an acoustic signal is determined by the handle, by means of the magnetic detector. This is always activated when it overlaps the magnet on the other arm.

The goniometric device's arms are attached to the body segments with elastic Velcro straps, and they must be placed sideways to the mechanical axes of these segments. The device rotation centre matches the joint rotation centre.

1

2

3

4

Exercise Bikes - *Fitness line*

76616 GOLF M

The latest generation of the well-known exercise bikes is launched with a new design.
Under their body, the models from the GOLF range have a braking system that is unrelated to the number of revolutions with servo-adjusted braking force.
The exercise computer with 2 stored profiles, permanent visualization and Last Memory data ensure an optimal training.
This classic equipment is completed by a particularly wide and low access, and the gravity pedals have straps provided with quick clip fastening.

Training computer:
LCD display; Possibile Settings;
Permanent Visualization of 10 Functions; 2 Storable Profiles; Loading Memory Indicator; Resting Heart Rate and Fitness Score

Technical Data:
Centrifugal mass: approx. 7 kg;
Gear ratio: 1:8;
Power supply: with batteries;
Max load: 150 kg;
Dimensions: 110x53x135 h cm
Magnetic Braking system;
DIN Class EN 957-1/5, HB

76640 POLO M

"Polo", sleak design, fine construction. The low access, detachable hand pulse sensors and 7 kg centrifugal mass make it possible for people of all ages to perform a regular resistance workout aimed at improve their health.

Training computer:
Large LCD display; Possibile Settings; Permanent visualization of 2 functions; possibility of on-screen recall of 8 functions; Resting Heart Rate and Fitness Score, and Memory Function.

Technical Data:
Centrifugal mass: approx. 7 kg;
Gear ratio: 1:8;
Power supply: batteries;
Max user weight: 130 kg;
Dimensions: 98x53x130h cm;
Magnetic Braking system;
DIN Class EN 957-1/5, HB

08310 GYM PEDAL EXERCISER

37 x 40 x 30 h cm

ACCESSORIES

Rubber mat to protect the floor and reduce noise while the gym machines are in use.

79292 MAT 140x80 cm
79294 MAT 220x110 cm

79376 CHEST STRAP

Measures the heart rate on all the bikes provided with the relevant function devices. Data are measured directly in the chest area and transmitted to your device's computer.

79370 CARDIO-PULS-SET

Only for item codes 76640 and 79779. The set is made up of the chest strap and the receiver.

Exercise Bikes - *Fitness line*

76631 GOLF P

The new GOLF has a computer-guided braking system and twin sports display with illuminated background. The motor-guided magnetic braking system adjusts the braking resistance to 15 levels. Exercise with 8 workout programs, including the heart rate controlled training and the settings of the pulse range for fitness or fat-burning workouts. A particularly wide and low access, the 2-position ergonomic seat, the detachable hand pulse sensors, the three-dimensional Flexform handlebars and the tilting cockpit allow for an optimal workout for all ages!

Training computer:
Double display with blue illuminated background; Possibile Settings; Permanent Visualization of 8 functions; 8 programs including a heart rate controlled program; 6 Freely Adjustable Profiles; Resting Heart Rate and Fitness Score

Technical Data:
Centrifugal mass: approx. 9 kg;
Gear ratio: 1:8;
Power supply: mains power;
Max load: 150 kg;
Dimensions: 110x53x135 h cm
Magnetic Braking system;
DIN Class EN 957-1/5, HB

76636 GOLF P ECO

The motor-adjusted magnetic braking system, the computer with Heart-Rate-Light and a generator make this machine completely independent from power supply.
Exercise with 8 workout programs, including the heart rate controlled workout and the settings of the pulse range for fitness or fat-burning workouts. A particularly wide and low access, the 2-zone ergonomic seat, the detachable hand pulse sensors, the three-dimensional Flexform handlebars and the cockpit, along with the gravity pedals with straps, are the accessories that distinguish this outstanding exercise bike.

Training computer:
Double display with HeartRateLight;
Possibile Settings; Permanent Visualization of 8 functions; 8 programs including a heart rate controlled program; 6 Freely Adjustable Profiles; Resting Heart Rate and Fitness Score

Technical Data:
Centrifugal mass: approx. 9 kg;
Gear ratio: 1:8;
Power supply: internal generator;
Max load: 150 kg;
Dimensions: 110x53x135 h cm
Magnetic Braking system;
DIN Class EN 957-1/5, HB

ACCESSORIES

Rubber mat to protect the floor and reduce noise while the gym machines are in use.

79292 MAT 140x80 cm
79294 MAT 220x110 cm

79376 CHEST STRAP
Measures the heart rate on all the bikes provided with the relevant function devices. Data are measured directly in the chest area and transmitted to your device's computer.

79370 CARDIO-PULS-SET
Only for item codes 76640 and 79779. The set is made up of the chest strap and the receiver.

Ergometers - *Fitness line*

76821 ERGO E3

Compact, easy access ergometer, well suited for those who are just starting to exercise with this type of equipment. Computer containing a pulse-guided exercise program and integrated pulse receiver.
Induction braking system working independently from the number of revolutions.

Exercise computer:
LCD back-lit display
Resting Heart Rate and Fitness Score
3 workout programs
Targeted area workout
1 HRC program
USB interface
Manual load adjustment

Technical Data:
Centrifugal weight: 8 kg
Dimensions: 115x54x125
Resistance range: 25-400 W
Gear ratio: 1:8
Maximum load: 150 kg
Min/max pedal/seat distance in cm: 72-100
DIN Class EN 957-1/5, HA

76826 ERGO E5

Easy access ergometer, featuring a great range of workout programs.
Computer with pulse-guided exercise program and integrated pulse receiver.
Control panel with adjustable tilt angle. Induction braking system working independently from the number of revolutions.

Exercise computer:
LCD display with HeartRate Light
Resting Heart Rate and Fitness Score
8 workout programs
Targeted area workout
2 HRC programs
Storable user profiles: 6
USB interface
Manual load adjustment

Technical Data:
Centrifugal weight: 8 kg
Dimensions: 115x54x125
Resistance range: 25-400 W
Gear ratio: 1:8
Maximum load: 150 kg
Min/max pedal/seat distance in cm: 72-100
DIN Class EN 957-1/5, HA

ACCESSORIES

Rubber mat to protect the floor and reduce noise while the gym machines are in use.

79292 MAT 140x80 cm
79294 MAT 220x110 cm

79376 CHEST STRAP

Measures the heart rate on all the bikes provided with the relevant function devices. Data are measured directly in the chest area and transmitted to your device's computer.

79370 CARDIO-PULS-SET

Only for item codes 76640 and 79779. The set is made up of the chest strap and the receiver.

Ergometers - Fitness line

76828 ERGO E7

High-tech ergometer for advanced users. Easy access. Backlit exercise computer with 48 programs and storage of 4 individual profiles. Control panel with adjustable tilt angle. Height/tilt adjustable handlebar. Induction braking system working independently from the number of revolutions.

Exercise computer:
LCD display
Resting Heart Rate and Fitness Score
48 workout programs
Targeted area workout
Cool down function
5 HRC programs
20 individual programs
Body mass index
Storable user profiles: 4+guest
USB interface
Manual load adjustment

Technical Data:
Centrifugal weight: 10 kg
Dimensions: 115x54x125
Resistance range: 25-400 W
Gear ratio: 1:8
Maximum load: 150 kg
Min/max pedal/seat distance in cm: 72-100
Gel saddle
DIN Class EN 957-1/5, HA

76881 ERGO RE7

Horizontal ergometer providing excellent comfort during exercise, especially for those who suffer from back problems. Easy access. Backlit exercise computer with 48 programs and storage of 4 individual profiles. Backrest upholstered with breathable material. The seat can be adjusted horizontally and vertically. Induction braking system working independently from the number of revolutions. Polar cardio strap included.

Exercise computer:
LCD display
Resting Heart Rate and Fitness Score
48 workout programs
Targeted area workout
Cool down function
5 HRC programs
20 individual programs
Body mass index
Storable user profiles: 4+guest
USB interface
Manual load adjustment

Technical Data:
Centrifugal weight: 10 kg
Dimensions: 171x56x123
Resistance range: 25-400 W
Gear ratio: 1:8
Maximum load: 150 kg
DIN Class EN 957-1/5, HA

ACCESSORIES

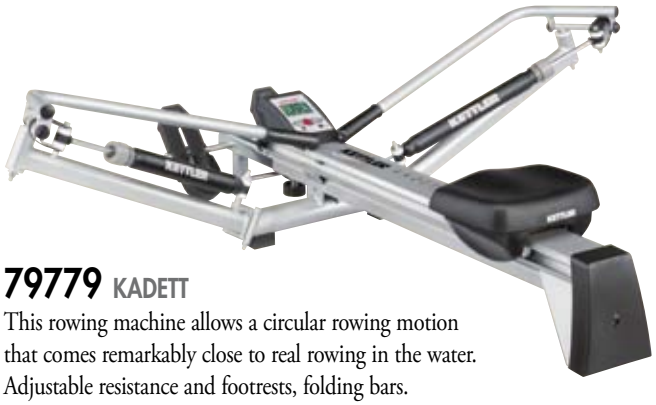
Rubber mat to protect the floor and reduce noise while the gym machines are in use.

79292 MAT 140x80 cm
79294 MAT 220x110 cm

79376 CHEST STRAP
Measures the heart rate on all the bikes provided with the relevant function devices. Data are measured directly in the chest area and transmitted to your device's computer.

79370 CARDIO-PULS-SET
Only for item codes 76640 and 79779. The set is made up of the chest strap and the receiver.

Rowing Machines and Steppers



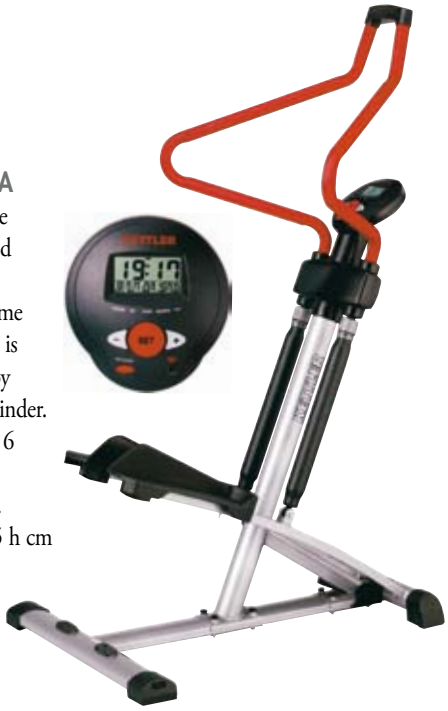
79779 KADETT

This rowing machine allows a circular rowing motion that comes remarkably close to real rowing in the water.
Adjustable resistance and footrests, folding bars.
Maximum load 130 kg
Dimensions 124x78x26 h cm

79741 COACH M

Rowing machine with linear rowing motion system.
Sliding seat on low-noise rails.
Exercise computer with 6 functions.
Magnetic braking system. Chest strap included.
Maximum load 130 kg
Dimensions 206x52x67 h cm

STEPPERS



78770 MONTANA

This stepper exercises the cardiovascular system and strengthens the leg and gluteal muscles at the same time. Training resistance is individually adjustable by means of a hydraulic cylinder.
Training computer with 6 functions and settings.
Maximum load: 110 kg.
Dimensions: 95x80x155 h cm

XCS001 MINI-STEPPER

Stepper for cardio fitness training. Ideal for the leg and gluteal muscles. Complete with computer.

ACCESSORIES

Rubber mat to protect the floor and reduce noise while the gym machines are in use.

79292 MAT 140x80 cm
79294 MAT 220x110 cm

79376 CHEST STRAP

Measures the heart rate on all the bikes provided with the relevant function devices. Data are measured directly in the chest area and transmitted to your device's computer.

79370 CARDIO-PULS-SET

Only for item codes 76640 and 79779. The set is made up of the chest strap and the receiver.

The "Magnetic" range

features easy-to-use rehabilitation cycle ergometers that are provided with a console to display and set the basic parameters. It operates independently from the mains supply. The display shows real-time information on pulse, rpm, time, distance and calories, and also allows for setting heart rate, workout time, distance in km and calories to burn.

Professional Ergometers complying with EEC Directive 93/42

Console with liquid crystal display

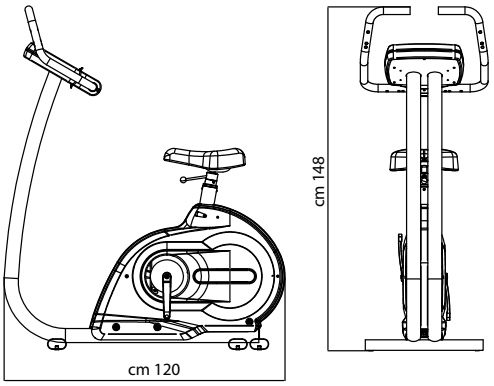
XRU001
VERTICAL MAGNETIC BIKE

Technical Specifications:
- Dimensions: 120x55x148h cm
- Weight: 80 kg
- Console with liquid crystal display
- Magnetic resistance system
- Manually adjustable constant resistance from 0 to 600 Watt
- Power supply: 3 1.5V batteries
- Belt drive
- Audible tones when pressing keys
- Seat minimum height from ground 80 cm (90 cm with accessory XRU007)
- Max user weight: 180 kg
- Transport wheels

SUPPLIED WITH:
Dual heart rate monitoring via palm sensors

CE

DIMENSIONS



ACCESSORIES

XRU006 CONTINUOUSLY ADJUSTABLE PEDAL RADIUS

XRU007
HORIZONTAL SEAT ADJUSTMENT

Console with liquid crystal display

XRU002
HORIZONTAL MAGNETIC BIKE

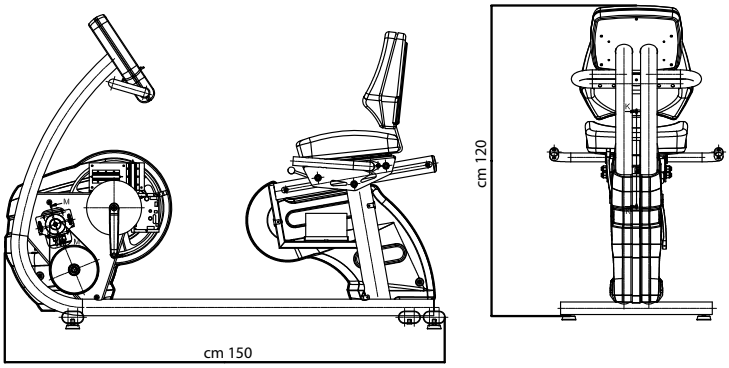
Technical Specifications:
- Dimensions: 150x50x120h cm
- Weight: 100 kg
- Console with liquid crystal display
- Magnetic resistance system
- Manually adjustable constant resistance from 0 to 600 Watt
- Adjustable seat depth
- Power supply: 3 1.5V batteries
- Belt drive
- Audible tones when pressing keys
- Max user weight: 180 kg
- Transport wheels

SUPPLIED WITH:
Dual heart rate monitoring via palm sensors

Professional Ergometers complying with EEC Directive 93/42

CE

DIMENSIONS



ACCESSORIES

XRU006 CONTINUOUSLY ADJUSTABLE PEDAL RADIUS

XRU008 LATERAL ARMRESTS

RehaBike Ergometers - Medical line

The "Elite" range includes advanced rehabilitation cycle ergometers that ensure the highest medical results. Powered through the mains supply, they have a console that allows the following functions:

- "Dot Matrix" display indicating Time, Distance, RPM, Dynamic Watts and User Messages;
- LCD display indicating Heart Beat Chart, Calories, Watts, Charts and Key Function;
- 6 pre-set profiles customizable by changing the workout in Watt proportionally;
- 50 free profiles with time and Watt setting for each step;
- CARDIO: allows to perform a constant pulse training (80% of one's maximum theoretical heart rate), as the machine automatically adjusts the speed level so the heart beat remains within the set maximum heart rate;
- FAT BURNING: fat burning exercise is a constant pulse training (until reaching 65% of one's maximum theoretical heart rate) as the machine automatically adjusts the incline level so the heart beat remains within the set maximum heart rate;
- THREE TESTS: two auto tests - VO2Max and CWL (Constant Work Level) - allow you to exercise at a constant heart rate or load. The third test, i.e. RUNNER TEST, allows you to exercise with an increasing load by stepping up the load by 1/4 Watt for each kg of body weight;
- COUNT DOWN: exercise program with decreasing workout duration;
- DIST DOWN: exercise program with decreasing distance to cover in training;
- CAL DOWN: exercise program with decreasing calories to burn in training;
- INDIVIDUAL DATA: setting the user's individual data (sex, age, weight and heart rate);

Professional Ergometers complying with EEC Directive 93/42

Console with 320x240 graphic LCD display with white LED lighting and "Dot Matrix" display with green high-brightness LEDs

XRU004

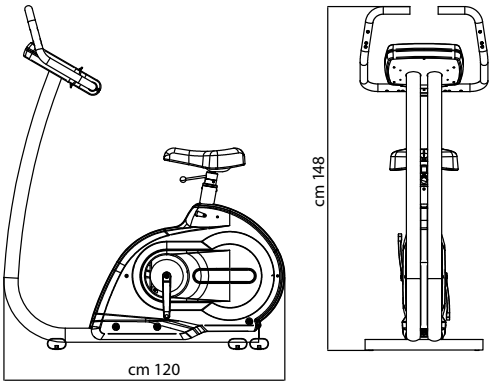
VERTICAL CYCLE ERGOMETER

Technical Specifications:

- Dimensions: 120x55x148h cm
- Weight: 80 kg
- Audible tones when pressing keys
- RS232 port
- Electronic workload adjustment
- Adjustable constant resistance from 0 to 600 Watt
- Electronic resistance system
- Low voltage 12V cc supply
- Belt drive
- Max speed 130 rpm
- 1 Watt workload increment
- Tilt adjustable handlebar
- Vertical seat adjustment by means of oil-pneumatic system
- Easy access for users
- Max user weight 180 kg
- Seat minimum height from ground 80 cm (90 cm with accessory XRU007)
- Transport wheels

SUPPLIED WITH:
Dual heart rate monitoring via palm sensors + chest strap

DIMENSIONS



ACCESSORIES

XRU022
ADJUSTABLE HANDLEBAR 360°, NO PALM SENSORS

XRU006
CONTINUOUSLY ADJUSTABLE PEDAL RADIUS

XRU007
HORIZONTAL SEAT ADJUSTMENT

Console with 320x240 graphic LCD display with white LED lighting and "Dot Matrix" display with green high-brightness LEDs

XRU005

HORIZONTAL CYCLE ERGOMETER

- Dimensions: 150x50x120h cm
- Weight: 100 kg
- Audible tones when pressing keys
- RS232 port
- Electronic workload adjustment
- Constant 0-600 Watt resistance
- Electronic resistance system
- Low voltage 12V cc supply
- Belt drive
- Max speed 130 rpm
- 1 Watt workload increment
- Adjustable seat depth
- Easy access for users
- Max user weight 180 kg
- Transport wheels

SUPPLIED WITH:

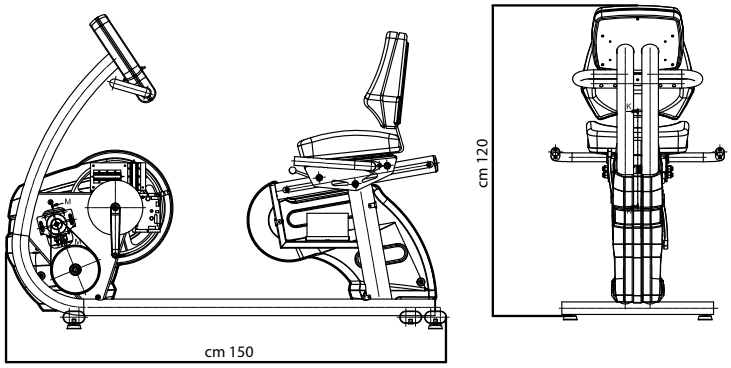
Dual heart rate monitoring via palm sensors + chest strap

Adjustable seat depth

Professional Ergometers complying with EEC Directive 93/42

CE

DIMENSIONS



ACCESSORIES

XRU006 CONTINUOUSLY ADJUSTABLE PEDAL RADIUS

XRU008 LATERAL ARMRESTS

Proprioception *tools*

02600 BASIC BOARD
Painted wooden rocker board.
Ideal in the early stage of therapy.
Dimensions: 50 x 40 x 7 h cm

02620 BALANCING BOARD BOBATH G
Padded top, synthetic leather covering.
Dimensions: Ø 80 x 14 h cm

02610 ROCKER BOARD
Padded top, synthetic leather covering.
Dimensions: 70 x 40 x 13 h cm

02650 BALANCING BOARD BOBATH P
Padded top, synthetic leather covering.
Dimensions: Ø 50 x 10 H cm

02630 ROCKER PLATFORM
Padded top, synthetic leather covering.
Dimensions: 175 x 75 x 15 h cm

XCP001 WAFF MINI
Ergonomic cushion contoured around the body that brings recognized benefits in medical and sport environments. Develop and improve your reflexes, at any age. Whatever your exercise, support is essential for good balance.
Dimensions Ø 36 x 8 h cm
Weight 0.3 kg

07755 BALANCE BOARD
For foot prono-supination exercises.
Resistance to medial and lateral pressure is applied by the spring.
Dimensions: 34 x 17 x 8 h cm

07735 ACCELERATOR
For ankle and foot exercises.
Resistance to pressure is applied by the spring.
Dimensions: 34 x 17 x 18 h cm

01842 PEDOBALL

This small wobble board with a hemispheric bottom allows patients to perform various exercises both sitting and standing; it stimulates balance, stability on one leg and motor coordination. 5 balls are supplied as standard to gradually increase the level of difficulty of the exercises.
Dimensions: ø 47x27h cm.

01843 THERAPY LOW

Wooden wobble board, covered in non-slip rubber.
Dimensions: ø 35x4.5h cm

01844 THERAPY TOP

Therapeutic wobble board, ideal for exercising balance, coordination and responsiveness. The surface is structured in such a way as to provide further sensory stimulation.
Dimensions: ø 40x9h cm

01845 BALANCE

Therapeutic wobble board developed by Prof. Bielefeld at the University of Flensburg to exercise coordination and stability of movement, balance, psychomotor skills, concentration and responsiveness in a varied and effective way. Supplied with three interchangeable exercise programs and two pairs of hand straps.
Dimensions: 54x40x10h cm

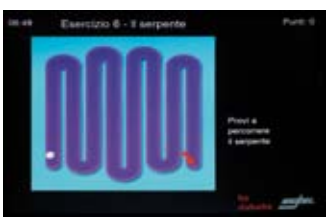
01847 GYM TOP

Professional therapeutic program, designed to treat coordination, balance and muscle function disorders. The 13 exercises and 2 games suggested by the software allow a choice of different levels of difficulty and duration times, and are based on a new concept of psychomotor training. To exercise properly, the user must generate position changes on the balance board actively and consciously rather than merely react to them. This greatly improves the quality of the therapy as the tactile, optical and acoustic analyzers are stimulated along with the main proprioceptors. The main data related to quality and quantity of the exercises can be measured, visualized, saved and analyzed statistically, which makes this an ideal tool for therapists for use in sports and at school, in physiotherapy and rehabilitation, ergotherapy, orthopedics, neurology and psychosomatics. It is also possible to exercise the hand, using a mouse or a joystick instead of the balance board.
Simple to install and connect to the PC through USB port.
Dimensions: 40x10h cm

01846 WIPPRACER

Keep your balance on the rocker board while shifting your weight to drive your car in the traffic of this amusing game! The Wipracer is an innovative tool, based on a new concept of psychomotor training: through play, patients will become strongly motivated to exercise. To continue the program, the user must generate position changes on the board actively and consciously rather than merely react to them. 10 types of programs, each one with different levels of difficulty, duration and sensitivity, ensure variety of exercise and increasing engagement, and stimulate both the main motor proprioceptors and the tactile, optical and acoustic analyzers. It is also possible to exercise the hand, using a mouse or a joystick instead of the balance board. This aid is perfect for use in sports and at school, in physiotherapy, ergotherapy, orthopedics and rehabilitation, as well as for leisure activities. Simple to install and connect to a PC through USB port.
Dimensions: 52x13x10h cm

GYM TOP PROGRAMS



Bands - Cords

Made in Italy

REP BAND AND REP CORD

Elastic therapy bands and tubes for rehabilitation exercises, latex and odor free. Five resistance levels marked by different colors. Available in two lengths (see table).

REP BAND

CODE	COLOR	LEVEL	LENGTH
31010	peach	1	5.5 m
31100			45.7 m
31020	orange	2	5.5 m
31110			45.7 m
31030	green	3	5.5 m
31120			45.7 m
31040	blue	4	5.5 m
31130			45.7 m
31050	purple	5	5.5 m
31140			45.7 m

REP CORD

CODE	COLOR	LEVEL	LENGTH
31200	peach	1	7.6 m
31280			30.5 m
31210	orange	2	7.6 m
31290			30.5 m
31220	green	3	7.6 m
31300			30.5 m
31230	blue	4	7.6 m
31310			30.5 m
31240	purple	5	7.6 m
31320			30.5 m

REP BAND KIT

Kit containing 3 Rep Bands x 1.4 m each with increasing resistance, to perform progressively harder exercises.

31060
REP BAND KIT - EASY LEVE
Levels 1, 2, 3

31070
REP BAND KIT - MEDIUM LEVEL
Levels 2, 3 ,4

31080
REP BAND KIT - HARD LEVEL
Levels 3, 4, 5

31550
REP BAND DISPENSER
(container only)

REP PUTTY

An anti-microbial, non-toxic, non oily and no odor putty for hand rehabilitation. Available in five different color-coded strengths (see table).

REP PUTTY

CODE	COLOR	LEVEL
31430	peach	extra soft
31440	orange	soft
31450	green	medium
31460	blue	firm
31470	purple	extra firm

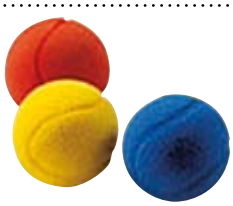
EGGSERCIZER

Ergonomic rehabilitator for hands, wrists and fingers. Available in three different color-coded strengths (see table).

EGGSERCIZER

CODE	COLOR	LEVEL
31501	peach	soft
31511	green	medium
31520	blue	firm
31521	purple	extra firm

XBX001 K-TAPE MIX
Pack of 4 cotton & acrylic tape rolls for neuromuscular taping. Non irritant for the skin, water and sweat resistant, breathable. Dimensions of each roll: 5m x 5hcm



02750
FOAM RUBBER BALLS
Foam balls, 3 pcs per pack, ø 7 cm.

Weights - Dumbells

Used for a few minutes every day, the wrist and ankle weights keep the arms and legs toned. Wear them before starting your usual exercise or while doing your domestic chores: they will help you find your best shape again. Each exercise has to be repeated several times and gradually increased over time.

ANKLE/WRIST WEIGHT

02535 0.5 kg	**02545** 1 kg	**02555** 1,5. kg
02565 2 kg	**02566** 2.5 kg	**02567** 3 kg

07480
ELASTIC WRIST WEIGHTS
Contains 2 items
0.5 kg x 2

07492
SOFT ANKLE/WRIST WEIGHTS
Contains 2 items
1.5 kg x 2

Jogging on the spot

DUMB-BELLS
sold as a pair

X941501
1 kg each

X941502
2 kg each

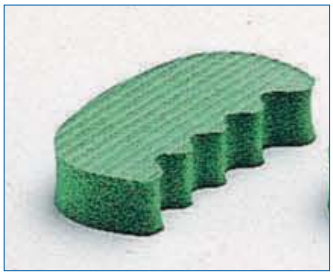
X941503
3 kg each

X941504
4 kg each

X941505
5 kg each

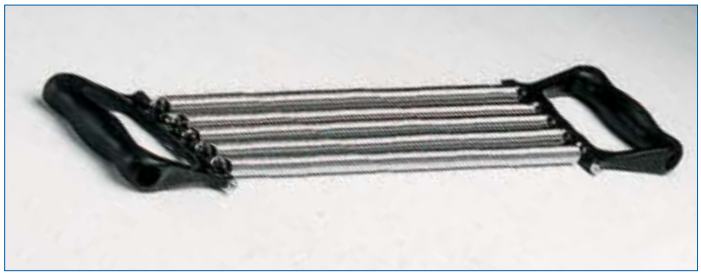
X9414 DUMB-BELL RACK
Painted steel, empty, can hold 10 dumbells.

XER001 TWO DUMB-BELLS
0.5 kg each



07160
RUBBER HAND EXERCISER

07170
HAND GRIP



07240 5-SPRING STRETCHER

07200
SPIRAL DUMB-BELL

07230
SPRING DUMB-BELL

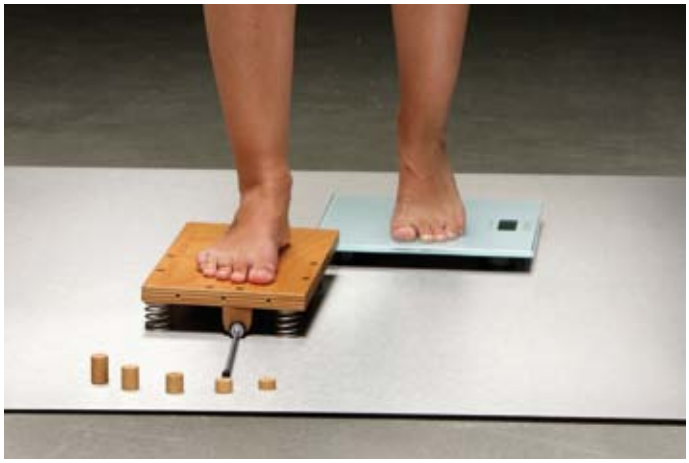
01869 LEONARDO MODULAR BOARD

This aid can be used in a rehabilitation program to gradually restore proprioception through various exercises.
The board can be attached to clasps, hemi-spheres or bearing spheres through a series of holes and magnetized pins, which makes it possible to use it for a variety of exercises.

EXAMPLES OF APPLICATIONS

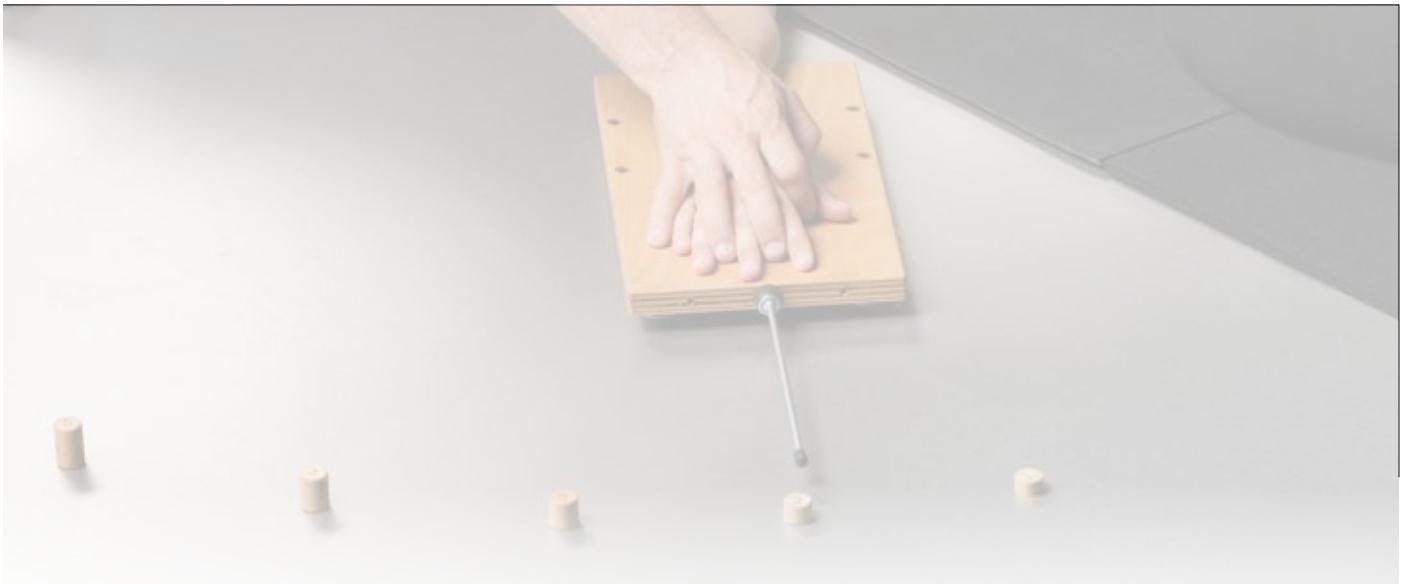
CLASPS

This exercise requires that the various clasp tilts (pivoted with only one pin connected to the centre of the board) are recognized, while moving the ankle along the antero-posterior axis. Fitting pressure springs on the underside of the board will reduce the level of difficulty of the task.



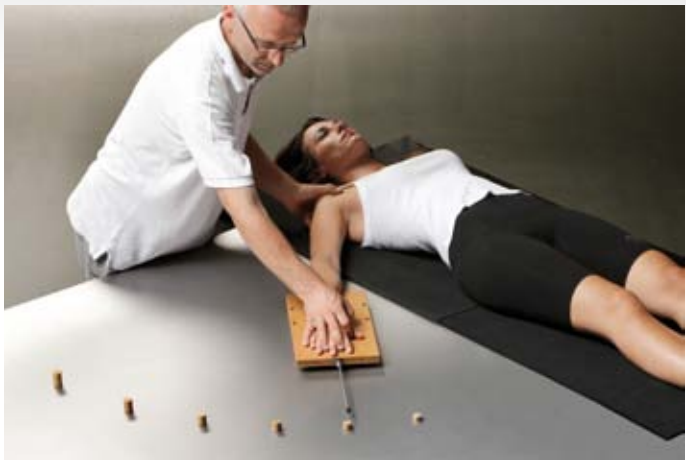
CLASPS

By changing the clasp position (pivoted with only one pin at the back) the action affects the mediolateral direction, thus conditioning the weight transfer to the inner or outer part through continual balancing. The metal pointer extends the clasp and highlights its direction.



CLASPS

The board highlights any asymmetries in the load distribution within the support base. The patient is assisted in gathering the information necessary to gain awareness and modify posture.



BEARING SPHERES

The magnetized spheres located under the board reduce a great deal of friction, making it easier for the patient to selectively recruit the muscles engaged.
This makes it particularly useful in the first stages of recovery.

LASER

The laser connected to the board magnifies the ankle movements also providing a visual feedback. When using the clasps the patient works on a single axis of rotation while the hemispheres enable the rotation exercises.

LASER

This is a useful exercise for teaching suitable techniques to go from a sitting position to standing. The patient learns not to lean on a fixed support, but is asked to reach various positions using the board while keeping the laser spot on the identified target, returning the trunk to a correct strategy.

01870 LEONARDO POSITIONAL FEEDBACK

These positional feedback systems are especially useful as assessment and rehabilitation tools.
They make it possible to monitor and amplify movements (of the head, trunk, pelvis and knee) in order to provide a quick assessment of asymmetries, compensations and changes in patient performance.
Once the problem has been identified, it is possible to target the action on the chosen body segment, guiding the patient towards the acquisition of new strategies.

EXAMPLES OF APPLICATIONS

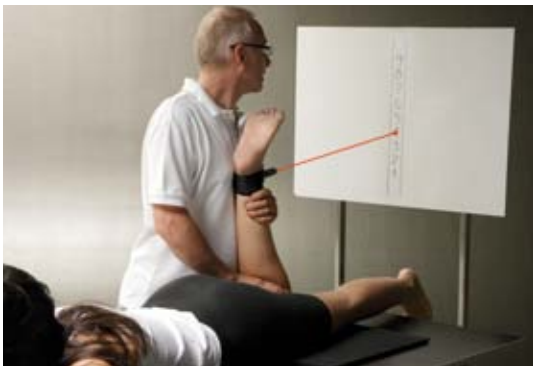
INCLINOMETER

This provides accurate information when the pre-defined angle is exceeded. You can vary the difficulty of the task and reduce or increase the desired range of movement by changing the instrument tilt. In this case, the patient is asked not to increase their dorsal kyphosis so as not to activate the acoustic feedback. By positioning the inclinometer on the pelvis as shown, we can check for any undesired movements such as lifting the right hemipelvis or Trendelemburg positions on the left. It is useful for checking any possible compensation or lack of stabilization in the trunk during muscle strengthening exercises, which makes the exercises more accurate and more effective as a result.

ANTENNAS - MOUSE

A micro-mouse, connected to the pelvis via an antenna, allows reading pelvic movements and store them on the PC.
If trunk movements are avoided (inclinometer for the sagittal plane), shifts coincide with the shift of the center of mass.

Installation CD and Exercises



LASER POINTER

The antenna and laser pointer make it possible to visualize the pelvis and trunk behavior on various planes, and to design position recognition exercises within tasks involving transfers of loads. The laser pointer can be used on head, trunk, pelvis and limbs thanks to its elastic Velcro fastenings.

GONIOMETER

This aid allows the control of movements between two segments. Thus, it is very easy to set the range of joint motion beyond which an error signal is activated (negative FB) or to indicate the successful completion of the task (positive FB).
When lacking scapulothoracic stability during abduction of the upper limb the goniometer activates the **vibratory feedback** on the muscle that should be recruited. The device can be used both with the goniometer and the inclinometer.

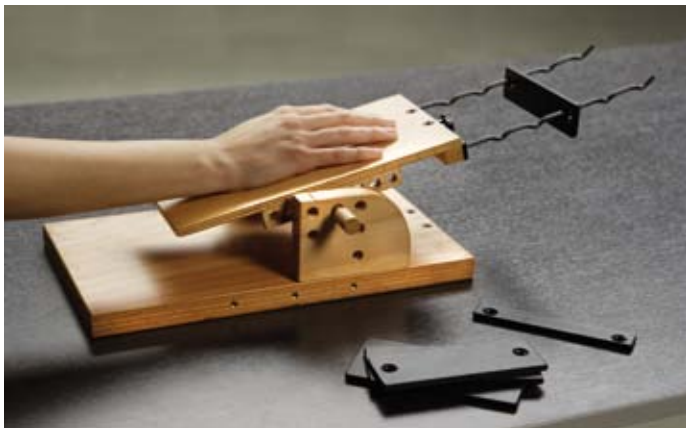
In the proposed exercise, the aid gives a signal in case of hyperextension, otherwise the patient may be asked to complete the knee extension.
An effective method to affect the gait length and symmetry is to apply a goniometer to the ankles, using special supports.

01891 LEONARDO COMPLETE

This kit includes the same accessories found in the Leonardo Modular Board and Positional Feedback systems, plus another series of valuable aids for the rehabilitation process in orthopedic and neurological pathologies that help design specific exercise program for the patient's pathology. The kit has been designed to control movement and plan therapy exercises, and provides an immediate answer to the various therapeutic needs of the daily gym exercise. Thanks to its modular structure, it allows creating numerous therapeutic aids, significantly reducing the quantity of tools required. This ensures an opportunity for professional intervention even at the patient's home. The special connecting systems supplied make it possible to easily set up the various therapeutic aids.

EXAMPLES OF APPLICATIONS

These aids help design tasks aimed at developing the kinematic recognition by the various body regions. In this case, the patient is guided towards recognizing the prono-supination positions for the forearm.



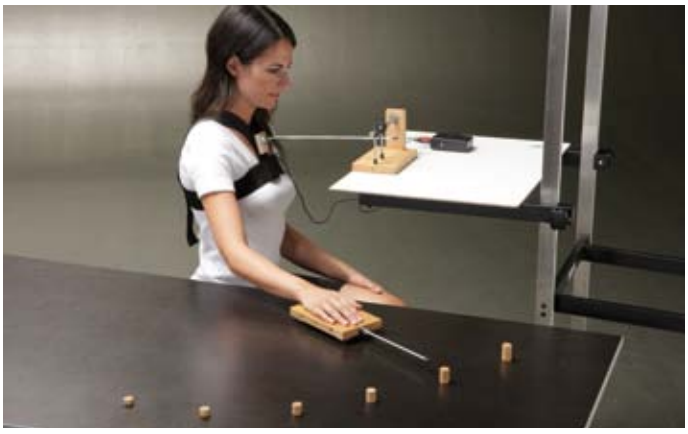
Weighing tasks can also be performed using the supports that can be fitted to the aids.
Depending on their muscular capabilities, the patient is asked to press on the board to recognize the amount of load placed at the opposite end.

Fingers' weighing request while the patient's hand is placed on the small oscillating board. The aid's holes allow identifying the appropriate heights and lever arms; extending the aid allows for combining kinesthetic recognition tasks.

This aid covers a series of simple activities having the purpose of carrying out tasks that involve following trajectories laid by modeling the copper wire as required each time. Any possible inaccuracies in performing the task are highlighted by the feedback mechanism.

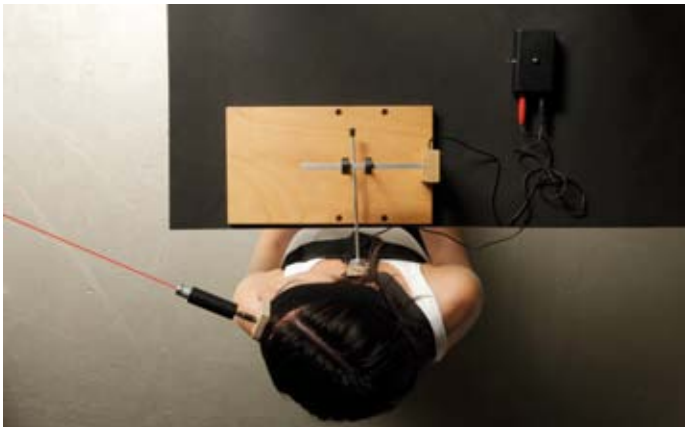
The patient is asked to reach various degrees of pelvis tilt, while trying to stabilize the trunk on the frontal plane through the inclinometer.

The patient lies on two oscillating boards and is asked to reach various degrees of pelvis tilt while keeping the board under the shoulder girdle stable. If the trunk is not segmented, the feedback system is activated.



Abduction of the upper limb with the hand resting on the board positioned on the magnetized spheres. The thoracic indicator connected to the FB system, with its optimal calibration range, signals the failed dissociation between the trunk and arm.

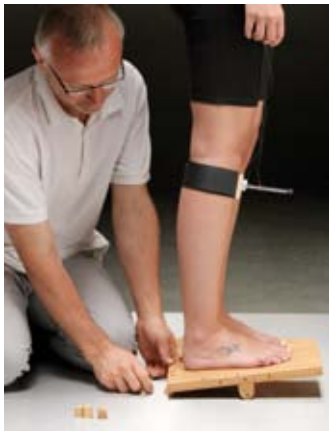
The patient is asked to relax the limb, by flexing the left knee until the goniometer is activated in the flight phase. The laser applied at the side of the pelvic indicator describes the behaviour of the pelvis on the frontal plane, so as to quantify the elevation of pelvis or trendelenburg.



Head rotation without involving the trunk is required. The movement of the antenna and further contact with the aid closes the circuit and activates the indicator. The device also helps quantify the movements and any asymmetry.

The patient is helped to complete the dorsiflexion at ankle during the weight-bearing phase, asking him to wait for the acoustic signal from the goniometer before raising his/her heel from the ground.

The patient is required to lower the board to recognize the various heights, while not pulling back the tibia in order not to activate the inclinometer. The result is the voluntary muscle lengthening of the plantar flexors.



In static posture, with segments aligned, the fixed antenna can reproduce the movement of the barycentre. The oscillations of the body, consequently the barycentre of the patient, are graphically indicated by the tip of the antenna.

01084
MULTIFUNCTION TABLE

This multifunction table was designed to be used in combination with a gym workout, along with the **Leonardo** kit. The system offers the chance to lay the therapist's case at a comfortable height, on a desktop provided with braked swiveling wheels.
Exercises can be performed with the highest degree of flexibility thanks to two horizontal tops that can independently slide along two vertical steel tubes.
A simple and quick fastening system has been designed to reach the various workstations.
The table is fitted with a comfortable and safe, height-adjustable handrest for the patient, left or right side.

CHINESPORT Cultura Manuals & Movies

01294.DVD VIDEO
LEONARDO

This dvd contains instructions for using the Leonardo modular system.

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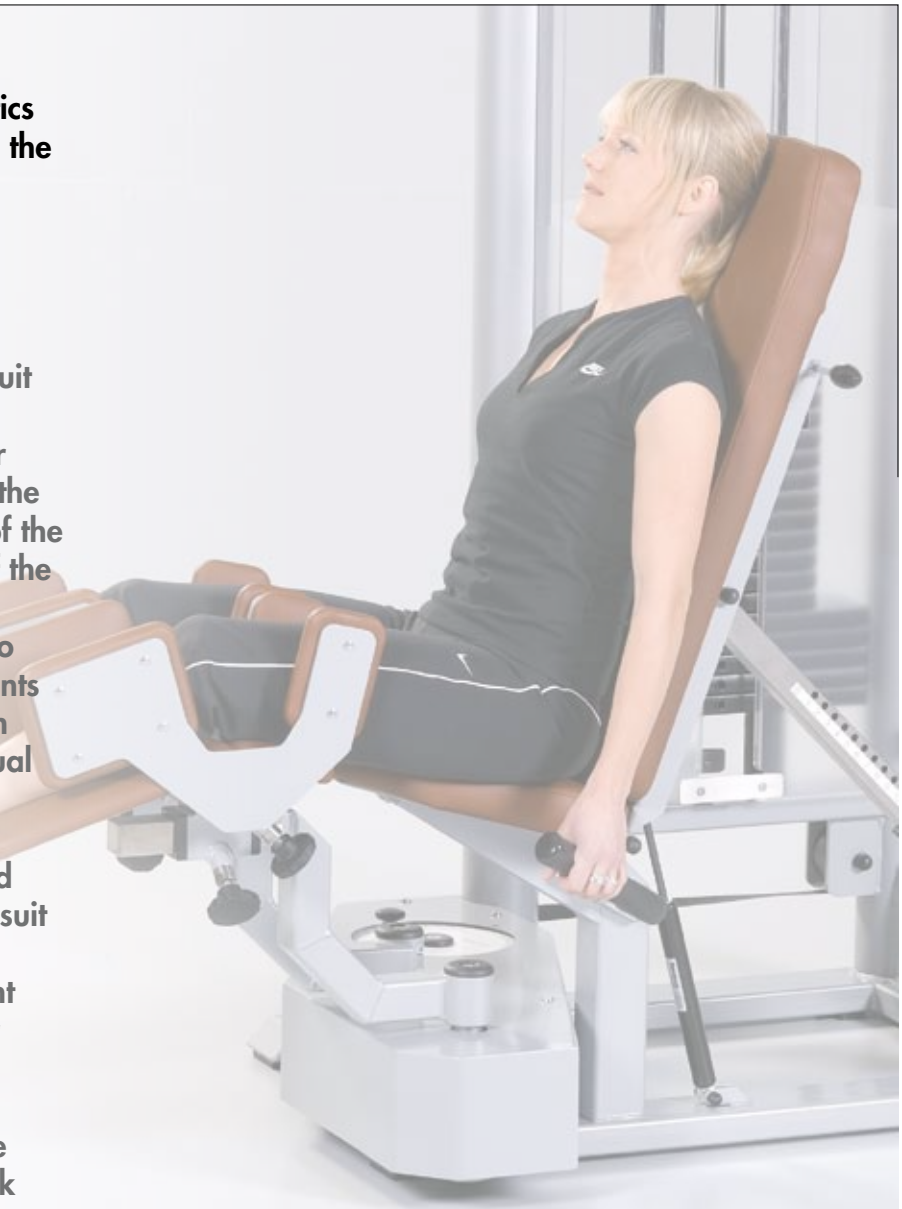
01314
LEONARDO GUIDE

Manual containing a sequence of exercises, showing the many possibilities for using the system.

Muscular strengthening

CE mark - conforms to Directive 93/42 on medical devices



Items with the following characteristics are offered for therapy that protects the joints:

- Gas springs. Allow quick, easy adjustment of the seat height.
- Graduated scale. Facilitates setting the machine to suit the user's individual needs.
- Facilitated access. Allows the user easier access to the machine. At the same time it increases the safety of the training, since it takes the load off the lever arm for tired muscle groups.
- Range limiters. Make it possible to limit the range of motion of the joints during training. The therapist can set the machine to suit the individual needs of each individual patient.
- Easy to use. After the first training session, you will be able to set and use the machine autonomously to suit your needs.
- Comfort. You can adjust the weight stack while sitting. It is no longer necessary to get up and leave the machine every time.
- By request, it is possible to change the composition of the weight stack supplied, in order to adapt it to specific rehabilitation needs.
- Multi-purpose. Each machine has a multiplicity of functions, thereby making it possible to train a number of muscle groups using a single machine, saving space in the room.

Please Note: All items come with the structure painted White and Blue upholstery.

XPS20010 PRESS

By adjusting the foot board, range limiter, or angle of the backrest, it is possible to do a significant variety of exercises to work the lower limbs. The great scope for varying the exercises also provides for a number of uses of the press for coordination. In this regard, the foot stabiliser (optional extra) is particularly suitable.

Characteristics

- Adjustable shoulder supports
- Backrest adjustable using the gas piston
- Foot board inclination adjustment from 0° to 30°
- Individual setting of the starting position
- Range limiter can be adjusted continuously
- System for balancing the applied force
- Weight stack 160 kg (20 x 8kg)
- Dimensions: 280 x 103 x 178h cm
- Total weight 350 kg

ACCESSORIES (not illustrated)

XPS20011 LEG SYSTEM
System for using the press with only one leg

XPS20012 STABILISER
For coordination exercises

XPS20030 BUTTERFLY/BACK PRESS

This machine strengthens the rear muscles on the shoulders, back muscles, middle and upper part of the chest / vertebral column and rear muscles in the neck.

Characteristics

- Quick, easy passage from butterfly to back press exercises while sitting
- Adjustment of the hand grips
- Adjustment of the lever arm for positioning the force fulcrum
- Adjustment of the inclination of the backrest
- Continuous adjustment of the seat height
- Adjustment of the footrest
- Range limiter can be adjusted continuously
- Weight stack 104 kg (5 x 3kg + 5 x 5kg + 8 x 8kg)
- Dimensions: 143 x 105 x 207h cm
- Total weight 230 kg

XPS20040 LOWER BACK

Machine for exercising the muscles in the abdomen and lumbar region

Characteristics

- Seat with 3 position adjustment
- Adjustable upholstered armrest
- Quick and easy changing from abdomen to back exercises
- Double adjustable footrest
- Range limiter can be adjusted continuously
- Weight stack 145 kg (5 x 5kg + 15 x 8kg)
- Dimensions: 201 x 95 x 178h cm
- Total weight 225 kg

XPS20050 LEG EXTENSION/LEG CURL

The knee stabiliser offers knee extension and curl exercises, both seated and supine. The machine mainly exercises the front muscles of the thigh in an open or closed chain (optional). The seat can be adjusted easily and precisely to suit the user's height. The load on the knee joints is varied by adjusting the position of the upholstered foot bar.

Characteristics

- 2 functions: knee extensions and curls
- Seat with 3 position adjustment
- Quick and easy change from sitting to lying position
- Continuous adjustment of the leg cylinder
- Simple adjustment of the oscillating arm, also possible while an exercise is in progress
- System for balancing the applied force
- Range limiter can be adjusted continuously
- Weight stack 120 kg (5 x 3kg + 5 x 5kg + 10 x 8kg)
- Dimensions: 200 x 107 x 178h cm
- Total weight 235 kg

ACCESSORIES

XPS20051 LEG STRAP

XPS20052 FOOTREST

In metal, for closed kinetic chain exercises

XPS20070 TORSO ROTATION MACHINE

Machine for exercising the deep back muscles. The reaction of the joints is necessary to respond correctly to the various loads they are subjected to each day, at work and when participating in sport.

Characteristics

- Continuous seat height adjustment using a gas spring
- Two-dimensional stabilising of the pelvis
- Adjustment of the back upholstery
- Shoulder bar can be tipped back for easy access
- Adjustment of the starting position
- Adjustable footrest
- Range limiter can be adjusted continuously
- Weight stack 65 kg (5 x 3kg + 10 x 5kg)
- Dimensions: 145 x 93 x 207h cm
- Total weight 230 kg

XPS20080 SHOULDER TRAINER

Machine for exercising the shoulder, back and arm muscles.

Characteristics

- Continuous seat height adjustment, using a gas spring.
- Pedal for easy setting of the starting position
- Multiple exercise grips
- Exercising position set by adjusting the hand grips
- Range limiter can be adjusted continuously
- Weight stack 145 kg (5 x 5kg + 15 x 8kg)
- Dimensions: 205 x 133 x 200 h cm
- Total weight 250 kg

XPS20020 ABDUCTION / ADDUCTION

This combined machine strengthens the gluteus muscle and inner and side muscles on the thighs. The components of the gluteus muscle can be activated differently by adjusting the backrest. The backrest can be adjusted continuously from a supine position to a sitting position. The facilitated access helps with exercise for aged people.

Characteristics

- 2 functions: adduction and abduction
- Adjustment of the starting angle for the adduction / abduction movement
- Seat incline adjustment by means of a gas piston
- Width and length adjustment on the padded leg supports
- Range limiter can be adjusted continuously
- Weight stack 115 kg (15 x 5kg + 5 x 8kg)
- Dimensions: 178 x 152 x 169h cm
- Total weight 220 kg

XPS20101 STAND-ALONE PULLEY ERCOLINA

Machine for exercising all muscle groups.
Along with the standard double hand grips, other accessories can be added to extend the range of exercises.

Characteristics

- Transmission of forces using a 3-level gearing system for explosive strength exercise.
- Outlet points for the moving cable in 3 sizes.
- Double hand grip supplied.
- Wheels on ball bearings for moving the machine
- Weight stack 65 kg (10 x 5kg + 5 x 3kg)
- Dimensions: 160 x 120 x 223h cm
- Total weight 85 kg

ACCESSORIES

XPS20113 EXTENDED ARM
Necessary for using XPS20114 or XPS20115 bars

XPS20114 WIDE BAR
To exercise back muscles

XPS20115 V-SHAPED BAR
To exercise the triceps.

XPS20100 WALL-MOUNTED PULLEY ERCOLINA

Machine for exercising all muscle groups. Along with the standard double hand grips, other accessories can be added to extend the range of exercises. Wall-mounted structure

Characteristics

- Transmission of the forces using a 3-level gearing system for explosive strength exercise
- Outlet points for the moving cable in 3 sizes.
- Double hand grip supplied.
- Weight stack 65 kg (10 x 5kg + 5 x 3kg)
- Dimensions: 30 x 28 x 223h cm
- Total weight 85 kg

ACCESSORIES

XPS20113 EXTENDED ARM
Necessary for using XPS20114 or XPS20115 bars

XPS20114WIDE BAR
To exercise back muscles

XPS20115 V-SHAPED BAR
To exercise the triceps.

XPS20110 TRACK-MOUNTED ERCOLINA

This structure has two pulley systems that slide for double-sided exercising of arms and stabilising the torso. Along with the standard double hand grips, other accessories can be added to extend the range of exercises.

Characteristics

- Machine with two wall-mounted pulley systems
- These units can be positioned anywhere along the tracks
- Simple locking / release system that is lever operated
- Double hand grip supplied.
- Weight stack 65 kg (10 x 5kg + 5 x 3kg)
- Dimensions: 50 x 250 x 225h cm
- Total weight 220 kg

ACCESSORIES

XPS20113
EXTENDED ARM
Necessary for using XPS20114 or XPS20115 bars

XPS20114
WIDE BAR
To exercise back muscles

XPS20115
V-SHAPED BAR
To exercise the triceps.

XPS20120 3-SECTION BENCH

In the medical field, the three-section bench offers multiple exercising possibilities, especially if combined with the Ercolina pulley system. The bench can also be adjusted to suit the user's needs.

Characteristics

- 3 moveable sections
- Back rest adjustable from 0 to 90°
- Seat can be tilted upwards
- Transportation wheels not included (accessory by request)
- Dimensions: 105 x 32 x 53h cm

XPS20130 TILTING BENCH

The tilting bench is used to strengthen the torso. It is also used for mobility of the spinal column.

Characteristics

- 3 moveable sections
- Height adjustment on the foot bars.
- Continuous headrest adjustment from -90° to +40°
- Leg section adjustable from +30° to -40°
- Dimensions: 150 x 44 x 88h cm

XPS20140 TORSO BENCH

The torso bench can be used to strengthen the segmental muscles in the back and gluteus. The effect of the exercise can be altered by changing the setting on the support surfaces.

Characteristics

- Adjustable foot rest distance
- Adjustable inclination using a gas spring, to change the intensity of exercise
- Inclination angle indicator
- Height adjustment on the upper part of the padded section
- Dimensions: 125 x 66 x 110h cm

CHINESPORT
Puleggio
Diagnostica
Ginnastica
Medica
Camminatori
Parallele
Trazioni
Stabilizzatori
Occupazionale
Terapia
Idroterapia
Poltrone
Riabilitazione
Sollevamento